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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Johan NILSSON et al.FILING DATE
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U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		
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Ph	5 583 886		Rohani et al.	12-10-1996
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Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no
Ph	05172694		JP(Abstract)	01-10-1995	x	
Ph	08214496		JP(Abstract)	02-20-1998	x	
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Ph	01 89115	A	WO	11/22/2001	Abs	
Ph	1 089 458	A2	EP	04/04/2001	x	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issua number(s), publisher, city and/or country where published.		
Ph	Proakis, John G., "Digital Signaling over a Bandwidth-Constrained Linear Filter Channel, 6.7.2 An Adaptive Channel Estimator", <i>Digital Communication, Second Edition</i> , 1989, pp. 624-627		
Ph	"3 rd Generation Partnership Project (3GPP); Technical Specification Group Radio Access Network; Physical channels and mapping of transport channels onto physical channels (FDD), 3 G TS 25.211 version 3.3.0, Release 1999, pages2-42.		
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Ph	J.H. Winters, "Signal Acquisition and Tracking with Adaptive Arrays in the Digital Mobile Radio System IS-54 with Flat Fading", <i>IEEE Trans. Veh. Technol.</i> , vol. 42, pp. 377-384 (Nov. 1993).		
Ph	Hoon, Kim et al. "An efficient Channel estimation Scheme for Downlink in WCDMA/FDD Systems" Database Inspec "Online", Institute of Electrical Engineers, Stevenage, GB & IEEE 54th Vehicular Technology Conference, VTC Fall Oct. 2001		
Ph	"3 rd Generation Partnership Project (3GPP); Universal Mobile Telecommunications Systems (UMTS); Physical Layer Procedure (FDD); 3GPP TS 25.214 version 3.4.0, Release 1999, pages1-48		
Examiner Signature	Pankaj Khanna	Date Considered	3/2003

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